



State of Utah

Department of
Environmental Quality

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DIVISION OF AIR QUALITY
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DAQE-NN013130022-07

May 18, 2007

Millard County Chronicle Progress
Legal Advertising Department
P.O. Box 249
Delta, Utah 84624

RE: Legal Notice of Intent to Approve

This letter will confirm the authorization to publish the attached NOTICE in the Millard County Chronicle Progress on May 24, 2007.

Please mail the invoice and affidavit of publication to the Utah State Department of Environmental Quality, Division of Air Quality, P.O. Box 144820, Salt Lake City, Utah 84114-4820.

Sincerely,

Kimberly Wilcox
Office Technician
Utah Division of Air Quality

Enclosure

cc: West Millard County
428 East Topaz Blvd, Suite D
P.O. Box 176
Delta, UT 84624

NOTICE

A notice of intent for the following project submitted in accordance with §R307-401-1, Utah Administrative Code (UAC), has been received for consideration by the Executive Secretary, Utah Air Quality Board:

Company Name: Graymont Western US Inc.

Location: Cricket Mountain Plant, 32 Miles Southwest of Delta, Utah, Highway 257

Project Description: Modification to Approval Order DAQE-AN0313021-06 for Addition of Kiln #5 and Replacement of Scrubber on Kiln #1 with a Baghouse

Graymont Western US Inc., submitted a Notice of Intent (NOI) for an Approval Order (AO) modification and Title V Permit changes for the proposed addition of a new fifth kiln, with associated conveyors, limestone screen, product screens and crushers, loadouts, and storage silos. In addition, Graymont proposes to replace the existing wet scrubber on Kiln #1 with a baghouse, make modifications to Kiln #1, and add petroleum coke to the list of primary fuels for Kiln's #1 and #5 and high sulfur coals to the list of primary fuels for Kilns #1 thru #5. The Cricket Mountain Plant is currently operated under AO DAQE-AN0313021-06, dated March 16, 2006 and Title V Operating Permit 2700005001, dated August 15, 2006. Under both the New Source Review (NSR) and Title V programs, the Cricket Mountain Plant is a major stationary source of air emissions. This project will result in a "significant net emissions increase" for sulfur dioxide (SO₂), nitrogen oxide (NO_x), carbon monoxide (CO), particulate matter (PM) and particulate matter less than 10 micrometers in mean diameter (PM₁₀). The Cricket Mountain Plant is located southwest of the city of Delta in Millard County, Utah. Millard County is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. The plant is located within 250 kilometers of several areas that are classified as Class I areas under the Prevention of Significant Deterioration (PSD) program for the protection of air quality.

Emission controls for Kiln #5 include a baghouse to control PM and PM₁₀. SO₂ emissions will be controlled by the inherent dry scrubbing of the lime production process. NO_x will be controlled through efficient combustion practices, minimization of fuel consumption and excess air for the combustion process. The formation of CO and VOCs will also be limited by controlling the combustion of the fuel and providing adequate oxygen (O₂) for complete combustion (good combustion practices). Emissions will be controlled sufficiently to meet Best Available Control Technology (BACT) requirements of the PSD program and UDAQ regulations. UDAQ regulations require all modifications with emissions increases to meet BACT.

New Source Performance Standards (NSPS) 40 CFR 60 Subparts A (General Provisions), Subpart Y (Standards of Performance for Coal Preparation Plants), Subpart HH (Standards of Performance for Lime Manufacturing Plants) and Subpart OOO (Standards of Performance for Nonmetallic Mineral Processing Plants) regulations apply to this source. National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR 63 Subpart AAAAA (Lime Manufacturing Plants) regulations apply to this source. Maximum Achievable Control Technology (MACT) regulations do not apply to this source. Title V of the 1990 Clean Air Act applies to this source.

The source has limitations that are established in the Intent to Approve. Visible emissions are controlled by opacity standards set in the ITA. Some of the limitations that are listed in the ITA are included in this newspaper notice and are as follows:

	Tons Lime/Day	Tons Lime/Year
Kiln #5	1,400	511,000
TSP	0.10 lb/ton stone fed	
PM ₁₀	11.7 lb/hr	
SO ₂	59.0 lb/hr	
NO _x	210.0 lb/hr	
CO	233.0 lb/hr	
Opacity	15% for baghouse and scrubber stacks, 20% for all other points	

The emissions, in tons per year, will change as follows: PM₁₀ (+) 81.8 (point source and fugitive), NO_x (+) 920, SO₂ (+) 259, CO (+) 1022, VOC (+) 15.3, HAPs (+) 5.51.

The expected consumption of maximum allowable air quality increases (this source and all other sources located in the affected air shed) are as follows:

National Ambient Air Quality Standards

Pollutant/Duration	% of Standard
Nitrogen Dioxide – Annual	26.4
Sulfur Dioxide - 3-Hour	11.5
Sulfur Dioxide - 24-Hour	13.1
Sulfur Dioxide – Annual	10.1
PM ₁₀ – 24-Hour	93.3
PM ₁₀ – Annual	55.4

Class II (All other areas)

Pollutant/Duration	% of Significant Input Level
Nitrogen Dioxide – Annual	32.4
Sulfur Dioxide - 3-Hour	9.3
Sulfur Dioxide - 24-Hour	12.9
Sulfur Dioxide – Annual	6.0
PM ₁₀ - 24-Hour	84.4
PM ₁₀ – Annual	28.2

The completed engineering evaluation and air quality impact analysis showed that the proposed project meets the requirements of federal air quality regulations and the State air quality rules. The Executive Secretary intends to issue an Approval Order pending a 30-day public comment period. The project proposal, estimate of the effect on local air quality and draft Approval Order are available for public inspection and comment at the Utah Division of Air Quality, 150 North 1950 West, Salt Lake City, UT 84114-4820. Written Comments received by the Division at this same address on or before June 23, 2007, will be considered in making the final decision on the approval/disapproval of the proposed approval order.

Email comments will also be accepted at jlblack@utah.gov. If anyone so requests to the Executive Secretary at the Division in writing within 15 days of publication of this notice, a hearing will be held in accordance with R307-401-4, UAC.

Date of Notice: May 24, 2007